
Product Data Sheet

Product Name: KLK10 Human, Sf9
 Cat. No.: GP21849
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Kallikrein-Related Peptidase 10; KLK10; PRSSL1; NES1; Normal Epithelial Cell-Specific 1; Protease Serine-Like 1; Kallikrein 10; Breast Normal Epithelial Cell Associated Serine Protease; kallikrein-10; Protease; Serine-Like 1; EC 3.4.21.- ; EC 3.4.21; EC 3.4.21.74.		
Amino Acid Sequence	ADPALLPQND TRLDPEAYGS PCARGSQPWQ VSLFNGLSFH CAGVLVDQSW VLTAAHCGNK PLWARVGDDH LLLQGEQLR RTTRSVVHPK YHQGSGPILP RRTDEHDLML LKLARPVVLG PRVRALQLPY RCAQPGDQCQ VAGWGTTAAR RVKYNKGLTC SSITILSPKE CEVFYPGVVT NNMICAGLDR GQDPCQSDSG GPLVCDLTLQ GILSWGVPYC GSAQHPAVYT QICKYMSWIN KVIRSNHHHH HH.		
Formulation	KLK10 protein solution (0.5mg/ml) contains 30% glycerol, 20mM Tris-HCl (pH 8.0), 0.15M NaCl & 1mM DTT.		

Introduction

Kallikrein-10 (KLK10) is one of the 15 kallikrein subfamily members located in a cluster on chromosome 19. Kallikreins are a subgroup of serine proteases having various physiological functions. KLK10 is secreted and has a role in suppression of tumorigenesis in breast and prostate cancers.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KLK10 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (34-276 a.a.) and fused to a 9 aa His Tag at C-terminus containing a total of 252 amino acids

Caution: Product has not been fully validated for medical applications. For research use only.

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and having a molecular mass of 27.8kDa. KLK10 shows multiple bands between 28-40kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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